10/525781 Pd CMPDS str search using dmpa

=> d his

(FILE 'HOME' ENTERED AT 17:24:07 ON 06 SEP 2007)

FILE 'REGISTRY' ENTERED AT 17:24:20 ON 06 SEP 2007
L1 STRUCTURE UPLOADED

FILE 'STNGUIDE' ENTERED AT 17:26:28 ON 06 SEP 2007

FILE 'REGISTRY' ENTERED AT 17:28:12 ON 06 SEP 2007
L2 STRUCTURE UPLOADED
L3 1 S L2
L4 10 S L2 SSS FULL

FILE 'HCAPLUS' ENTERED AT 17:29:54 ON 06 SEP 2007
L5 3 S L4

FILE 'STNGUIDE' ENTERED AT 17:31:13 ON 06 SEP 2007

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LOGINID:SSPTAMLL1621

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	MAY 01	New CAS web site launched
NEWS 3	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS 4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS 6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS 7	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS 8	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents
NEWS 9	JUN 27	CA/CAplus enhanced with pre-1967 CAS Registry Numbers
NEWS 10	JUN 29	STN Viewer now available
NEWS 11	JUN 29	STN Express, Version 8.2, now available
NEWS 12	JUL 02	LEMBASE coverage updated
NEWS 13	JUL 02	LMEDLINE coverage updated
NEWS 14	JUL 02	SCISEARCH enhanced with complete author names
NEWS 15	JUL 02	CHEMCATS accession numbers revised
NEWS 16	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 17	JUL 16	CAplus enhanced with French and German abstracts
NEWS 18	JUL 18	CA/CAplus patent coverage enhanced
NEWS 19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 20	JUL 30	USGENE now available on STN
NEWS 21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 22	AUG 06	BEILSTEIN updated with new compounds
NEWS 23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 24	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 25	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 26	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 27	AUG 27	USPATOLD now available on STN
NEWS 28	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data

NEWS EXPRESS 05 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 05 SEPTEMBER 2007.

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:24:07 ON 06 SEP 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:24:20 ON 06 SEP 2007
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STRUCTURE FILE UPDATES: 5 SEP 2007 HIGHEST RN 946114-43-8
DICTIONARY FILE UPDATES: 5 SEP 2007 HIGHEST RN 946114-43-8

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\2007cases\10525781\dmpa without ferrocene.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
STRUCTURE TOO LARGE - SEARCH ENDED
A structure in your query is too large.  You may delete
attributes or atoms to reduce the size of the structure
and try again.

=> fil stng
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY    SESSION
FULL ESTIMATED COST                             1.80       2.01

FILE 'STNGUIDE' ENTERED AT 17:26:28 ON 06 SEP 2007
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 31, 2007 (20070831/UP).

=> file reg
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY    SESSION
FULL ESTIMATED COST                             0.18       2.19

FILE 'REGISTRY' ENTERED AT 17:28:12 ON 06 SEP 2007
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    5 SEP 2007  HIGHEST RN 946114-43-8
DICTIONARY FILE UPDATES:   5 SEP 2007  HIGHEST RN 946114-43-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

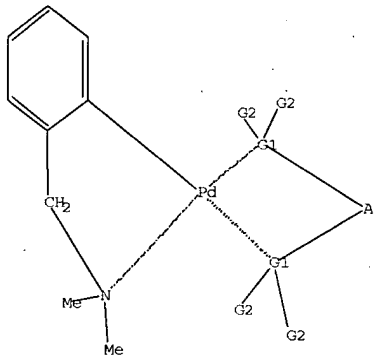
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\2007cases\10525781\dmpa less G2 def n
without ferrocene.str

L2       STRUCTURE UPLOADED

=> d l2
L2 HAS NO ANSWERS
L2              STR
```

G1 N,P,As,Bi,Sb

G2 H,NH2,NO2,A,Cb,Cy,Ak

Structure attributes must be viewed using STN Express query preparation.

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=> s l2
SAMPLE SEARCH INITIATED 17:28:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      312 TO ITERATE

100.0% PROCESSED      312 ITERATIONS                          1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         5181 TO      7299
PROJECTED ANSWERS:               1 TO        80

L3             1 SEA SSS SAM L2

=> s l2 sss full
FULL SEARCH INITIATED 17:28:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      6025 TO ITERATE

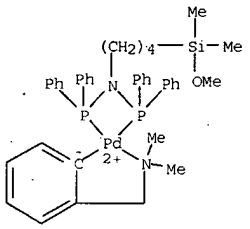
100.0% PROCESSED     6025 ITERATIONS                         10 ANSWERS
SEARCH TIME: 00.00.01

L4            10 SEA SSS FUL L2

=> d l4 1-10 ide

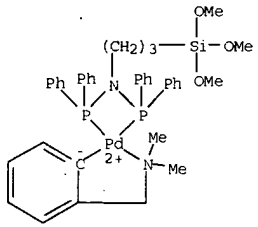
L4   ANSWER 1 OF 10  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   327968-51-4  REGISTRY
ED   Entered STN:  19 Mar 2001
CN   Palladium(1+), [2-[(dimethylamino-κN)methyl]phenyl-κC][N-
```

(diphenylphosphino-κP)-N-[4-(methoxydimethylsilyl)butyl]-P,P-diphenylphosphinousamide-κP]-, (SP-4-3)- (9CI) (CA INDEX NAME)
MF C40 H49 N2 O P2 Pd Si
CI CCS, COM
SR CA
LC STN Files: CA, CAPLUS



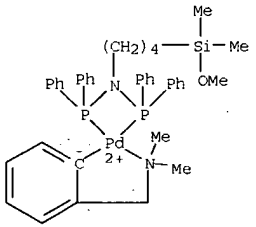
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 327968-50-3 REGISTRY
ED Entered STN: 19 Mar 2001
CN Palladium(1+), [2-[(dimethylamino-κN)methyl]phenyl-κC][N-(diphenylphosphino-κP)-P,P-diphenyl-N-[3-(trimethoxysilyl)propyl]phosphinousamide-κP]-, (SP-4-3)- (9CI) (CA INDEX NAME)
MF C39 H47 N2 O3 P2 Pd Si
CI CCS, COM
SR CA
LC STN Files: CA, CAPLUS



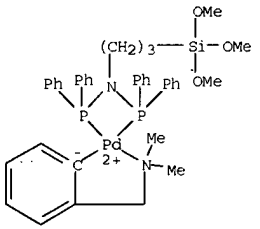
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 327968-48-9 REGISTRY
ED Entered STN: 19 Mar 2001
CN Palladium(1+), [2-[(dimethylamino-κN)methyl]phenyl-κC][N-(diphenylphosphino-κP)-N-[4-(methoxydimethylsilyl)butyl]-P,P-diphenylphosphinousamide-κP]-, chloride, (SP-4-3)- (9CI) (CA INDEX NAME)
MF C40 H49 N2 O P2 Pd Si . Cl
CI CCS
SR CA
LC STN Files: CA, CAPLUS, CASREACT
CRN (327968-51-4)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 327968-47-8 REGISTRY
ED Entered STN: 19 Mar 2001
CN Palladium(1+), [2-[(dimethylamino-κN)methyl]phenyl-κC][N-(diphenylphosphino-κP)-P,P-diphenyl-N-[3-(trimethoxysilyl)propyl]phosphinousamide-κP]-, chloride, (SP-4-3)-(9CI) (CA INDEX NAME)
MF C39 H47 N2 O3 P2 Pd Si . Cl
CI CCS
SR CA
LC STN Files: CA, CAPLUS, CASREACT
CRN (327968-50-3)



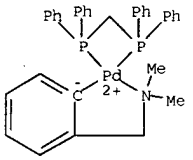
● Cl⁻

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 5 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 292152-54-6 REGISTRY
ED Entered STN: 03 Oct 2000
CN Palladium(1+), [2-[(dimethylamino-κN)methyl]phenyl-κC][methylenebis[diphenylphosphine-κP]]-, (SP-4-3)-, hexafluorophosphate(1-) (9CI) (CA INDEX NAME)
MF C34 H34 N P2 Pd . F6 P
SR CA
LC STN Files: CA, CAPLUS

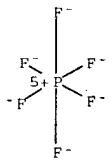
CM 1

CRN 123223-73-4
CMF C34 H34 N P2 Pd
CCI CCS



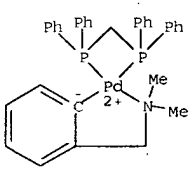
CM 2

CRN 16919-18-9
CMF F6 P
CCI CCS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 292152-44-4 REGISTRY
ED Entered STN: 03 Oct 2000
CN Palladium(1+), [2-[(dimethylamino-κN)methyl]phenyl-κC][methylenebis[diphenylphosphine-κP]]-, chloride, (SP-4-3)-(9CI) (CA INDEX NAME)
MF C34 H34 N P2 Pd . Cl
CI CCS
SR CA
LC STN Files: CA, CAPLUS
CRN (123223-73-4)



● Cl⁻

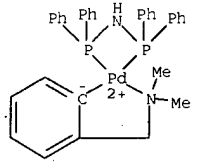
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 7 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 123223-82-5 REGISTRY
ED Entered STN: 13 Oct 1989
CN Palladium(1+), [2-[(dimethylamino)methyl]phenyl-C,N][N-(diphenylphosphino)-P,P-diphenylphosphinousamide-P,P']-, (SP-4-3)-, perchlorate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenemethanamine, N,N-dimethyl-, palladium complex
CN Phosphinous amide, N-(diphenylphosphino)-P,P-diphenyl-, palladium complex
CN Phosphinous amide, palladium(1+) deriv.
MF C33 H33 N2 P2 Pd . Cl O4
SR CA
LC STN Files: CA, CAPLUS, GMELIN*

(*File contains numerically searchable property data)

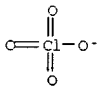
CM 1

CRN 123223-81-4
CMF C33 H33 N2 P2 Pd
CCI CCS



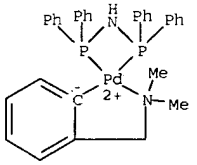
CM 2

CRN 14797-73-0
CMF Cl O4



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

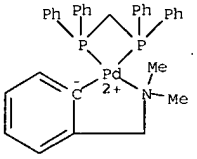
L4 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 123223-81-4 REGISTRY
ED Entered STN: 13 Oct 1989
CN Palladium(1+), [2-[(dimethylamino)methyl]phenyl-C,N][N-(diphenylphosphino)-P,P-diphenylphosphinousamide-P,P']-, (SP-4-3)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenemethanamine, N,N-dimethyl-, palladium complex
CN Phosphinous amide, N-(diphenylphosphino)-P,P-diphenyl-,palladium complex
CN Phosphinous amide, palladium(1+) deriv.
MF C33 H33 N2 P2 Pd
CI CCS, COM
SR CA
LC STN Files: GMELIN*
(*File contains numerically searchable property data)



L4 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 123223-74-5 REGISTRY
ED Entered STN: 13 Oct 1989
CN Palladium(1+), [2-[(dimethylamino)methyl]phenyl-C,N][methylenebis[diphenylphosphine]-P,P']-,(SP-4-3)-, perchlorate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenemethanamine, N,N-dimethyl-, palladium complex
CN Phosphine, methylenebis[diphenyl-, palladium complex
MF C34 H34 N P2 Pd . Cl O4
SR CA
LC STN Files: CA, CAPLUS, GMELIN*
(*File contains numerically searchable property data)

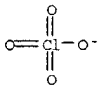
CM 1

CRN 123223-73-4
CMF C34 H34 N P2 Pd
CCI CCS



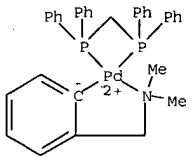
CM 2

CRN 14797-73-0
CMF Cl O4



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2007 ACS on STN
RN 123223-73-4 REGISTRY
ED Entered STN: 13 Oct 1989
CN Palladium(1+), [2-[(dimethylamino-κN)methyl]phenyl-κC][methylenebis[diphenylphosphine-κP]]-, (SP-4-3)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenemethanamine, N,N-dimethyl-, palladium complex
CN Palladium(1+), [2-[(dimethylamino)methyl]phenyl-C,N][methylenebis[diphenylphosphine]-P,P']- (SP-4-3)-
CN Phosphine, methylenebis[diphenyl-, palladium complex
MF C34 H34 N P2 Pd
CI CCS, COM
SR CA
LC STN Files: GMELIN*
(*File contains numerically searchable property data)



=> d his

(FILE 'HOME' ENTERED AT 17:24:07 ON 06 SEP 2007)

FILE 'REGISTRY' ENTERED AT 17:24:20 ON 06 SEP 2007
L1 STRUCTURE UPLOADED

FILE 'STNGUIDE' ENTERED AT 17:26:28 ON 06 SEP 2007

FILE 'REGISTRY' ENTERED AT 17:28:12 ON 06 SEP 2007
L2 STRUCTURE UPLOADED
L3 1 S L2
L4 10 S L2 SSS FULL

=> fil hcaplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 192.50 194.69

FILE 'HCAPLUS' ENTERED AT 17:29:54 ON 06 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 6 Sep 2007 VOL 147 ISS 11
FILE LAST UPDATED: 5 Sep 2007 (20070905/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l4
L5 3 L4

=> d l5 1-3 ibib abs

L5 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:15798 HCAPLUS
DOCUMENT NUMBER: 134:202109
TITLE: Strategies for the anchoring of metal complexes, clusters, and colloids inside nanoporous alumina membranes
AUTHOR(S): Braunstein, Pierre; Kormann, Hans-Peter; Meyer-Zaika, Wolfgang; Pugin, Raphael; Schmid, Gunter
CORPORATE SOURCE: Laboratoire de Chimie de Coordination, UMR 7513 CNRS, Universite Louis Pasteur, Strasbourg, 67070, Fr.
SOURCE: Chemistry--A European Journal (2000), 6(24), 4637-4646
CODEN: CEUJED; ISSN: 0947-6539
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 134:202109
AB Two complementary strategies are presented for the anchoring of mol. Pd complexes, of Co or Pt clusters or of Au colloids inside the nanopores of alumina membranes. The first consists in the one-step condensation of an alkoxysilyl functional group carried by the metal complex with the hydroxy groups covering the surface of the membrane pores. Thus, using the short-bite alkoxysilyl-functionalizeddiphosphine ligands (Ph2P)2N(CH2)3Si(OMe)3 (1) and (Ph2P)2N(CH2)4SiMe2(OMe) (2) derived from (Ph2P)2NH (dppa) (dppa = bis(diphenylphosphanyl)amine), the Pd complexes [Pd(dmba){κ2-P,P-(Ph2P)2N(CH2)3Si(OMe)3}]Cl (3) and [Pd(dmba){κ2-P,P-(Ph2P)2N(CH2)4SiMe2(OMe)}]Cl(4) (dmbaH = dimethyl(benzyl)amine), resp., were tethered to the pore walls. After controlled thermal treatment, confined and highly dispersed Pd nanoparticles were formed and characterized by TEM. This method could not be applied to the Co cluster [Co4(CO)8{μ-dppa}{μ-P,P-(Ph2P)2N(CH2)4SiMe2(OMe)}](7) owing to its too limited solubility However, its anchoring was achieved by using the second method which consisted of first derivatizing the pore walls with 1 or 2. The covalent attachment of the diphosphine ligands provides a mol. anchor that allows subsequent

reaction with the cluster [Co4(CO)10(μ-dppa)] (6) to generate anchored 7 and this step was monitored by UV/visible spectroscopy. In addition, the presence of carbonyl ligands in the cluster provides for the first time a very sensitive spectroscopic probe in the IR region which confirms both cluster incorporation and the retaining of its mol. nature inside the membrane. The presence of the bridging dppa ligand in 6 provides addnl. stabilization and accounts for the selectivity of the procedure. Using this method, Pt clusters (diameter .apprx.2 nm) and Au colloids (diameter .apprx.13 nm) were immobilized after passing their solution through the functionalized membrane pores. The resulting membranes were characterized by TEM which demonstrated the efficiency of the complexation and showed the high dispersion of the metal loading. The successful application of these methods demonstrated that nanoporous alumina membranes are not only unique supports to incorporate metal complexes, clusters, or colloids but can also be regarded as functional matrixes or microreactors, thus opening new fields for applications.

REFERENCE COUNT: 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:463312 HCAPLUS
DOCUMENT NUMBER: 133:238096
TITLE: Highly Efficient Monocationic Palladacycles of Chelating Diphosphines in C2H4/CO Copolymerization
AUTHOR(S): Schwarz, Juergen; Herdtweck, Eberhardt; Herrmann, Wolfgang A.; Gardiner, Michael G.
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CODEN: ORGND7; ISSN: 0276-7333
PUBLISHER: American Chemical Society
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LANGUAGE: English
OTHER SOURCE(S): CASREACT 133:238096
AB Cationic palladacycles of the general formula [{o-C6H4(CH2)N(R)2Pd(P-P)}][X] (P-P = Ph2P(CH2)3PPh2, (PhCH2)2C(CH2PPh2)2; X = Cl, PF6, B(C6H5)4; R = H, CH3, CH2C6H5) and [{o-(CH2)C6H4P(o-Tol)2Pd(P-P)}][X](P-P = Ph2P(CH2)3PPh2; X = Cl, PF6) have been prepared and structurally characterized in the former case (x-ray structure anal. for X = PF6, R = CH3). They are resistant to air and moisture, both in solution and the solid state, and represent one of the most active single-component catalyst systems for the perfectly alternating C2H4/CO copolymn. in aprotic solvents. Stoichiometric model reactions provide insight into the mechanism, suggesting that insertion of carbon monoxide into the carbon-palladium(II) bond initiates the catalytic cycle.

REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ACCESSION NUMBER: 1989:595052 HCAPLUS
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TITLE: Neutral and cationic orthopalladated (C-N) complexes [C-N = phenylazophenyl, dimethylbenzylamine, 8-methylquinoline, 2-methoxy-3-(N,N-dimethylamino)propyl]
AUTHOR(S): Fornies, Juan; Navarro, Rafael; Sicilia, Violeta
CORPORATE SOURCE: Inst. Cienc. Mater. Aragon, Univ. Zaragonza, Zaragoza,

50009, Spain
SOURCE: Polyhedron (1988), 7(24), 2659-65
CODEN: PLYHDE; ISSN: 0277-5387
DOCUMENT TYPE: Journal
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AB By reacting [Pd(C-N)(μ-Cl)]2 with AgClO4 in NCMe, the corresponding cationic complexes [Pd(C-N)(NCMe)2]ClO4 (C-N = phenylazophenyl-C2,N1; dimethylbenzylamine-C2,N;8-methylquinoline-C8,N) can be obtained. Solns. containing the cations [Pd(C-N)(S)2]+ are obtained when the reaction is carried out in THF or Me2CO. The treatment of these solns. with bidentate ligands (L-L) [Ph2PCH2PPh2, Ph2PNHPPh2 or Ph2PCH2PPh2CHC(O)Ph] gives the mononuclear [Pd(C-N)(L-L)]ClO4 complexes, with L-L acting as a chelate ligand. On the other hand, [Pd(C-N)(μ-Cl)]2 reacts with L-L (Ph2PCH2PPh2, Ph2PNHPPh2) yielding [Pd(C-N)Cl(L-L)] with L-L acting as monodentate. The reactions between [Pd(C-N)(NCMe)2]ClO4 and 2,2'-bipyrimidyl form mononuclear [Pd(C-N)(bipym)]ClO4 or binuclear [Pd2(C-N)2(μ-bipym)](ClO4)2, [{(C-N)Pd(μ-bipym)Pd(C'-N')}](ClO4)2 derivs. Finally, [Pd(C-N)Cldppm] (dppm = Ph2PCH2PPh2) react with NaH producing the neutral complexes [Pd(C-N)(ddppm)] (ddppm = Ph2PCHPPh2) which by reaction with HCl lead again to the starting materials, [Pd(C-N)Cl(dppm)].

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